PATENT COOPERATION TREAS

From the INTERNATIONAL SEARCHING AUTHORITY	PCT
United STATES OF AMERICA Orticle 19 amgl	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION OUTPAINTERNATION OUTPAIN
Response Due: Que le 2005	Date of mailing (day/month/year) 06/06/2005
Applicant's or agent's file reference JD-333-WO	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US2005/002424 Applicant	International filing date (day/month/year) 26/01/2005
JOHNSONDIVERSEY, INC.	
Where? Directly to the International Bureau of WIPO, 34 1211 Geneva 20, Switzerland, Fa For more detailed instructions, see the notes on the accord The applicant is hereby notified that no international search Article 17(2)(a) to that effect and the written opinion of the In With regard to the protest against payment of (an) addition	is of the International Application (see Rule 46): mally 2 months from the date of transmittal of the details, see the notes on the accompanying sheet. chemin des Colombettes scimile No.: (41–22) 740.14.35 mpanying sheet. report will be established and that the declaration under ternational Searching Authority are transmitted herewith. mal fee(s) under Rule 40.2, the applicant is notified that: in transmitted to the International Bureau together with the est and the decision thereon to the designated Offices.
4. Reminders Shortly after the expiration of 18 months from the priority date, the International Bureau. If the applicant wishes to avoid or postpone application, or of the priority claim, must reach the International Bubefore the completion of the technical preparations for internation. The applicant may submit comments on an informal basis on the International Bureau. The International Bureau will send a copy of international preliminary examination report has been or is to be the public but not before the expiration of 30 months from the priority within 19 months from the priority date, but only in respect of some examination must be filed if the applicant wishes to postpone the date (in some Offices even later); otherwise, the applicant must, we acts for entry into the national phase before those designated Office In respect of other designated Offices, the time limit of 30 months months. See the Annex to Form PCT/IB/301 and, for details about the applicative.	publication, a notice of withdrawal of the international pread as provided in Rules 90 bis.1 and 90 bis.3, respectively, all publication. written opinion of the International Searching Authority to the such comments to all designated Offices unless an established. These comments would also be made available to rity date. The designated Offices, a demand for international preliminary entry into the national phase until 30 months from the priority within 20 months from the priority date, perform the prescribed ces. (or later) will apply even if no demand is filed within 19
Name and mailing address of the International Searching Authority	Authorized officer

Nora Hick

European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220 (continued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- (Where originally there were 15 claims and after amendment of all claims there are 11): "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
 "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

PATENT COOPERATION TREAT

PCT.

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	as well as, where applicable, item 5 below.						
JD-333-WO International application No.	333-WU (Fortical) District Pote (dou/month/y/g						
PCT/US2005/002424	05/03/0005		28/01/2004				
	1						
Applicant							
JOHNSONDIVERSEY, INC.							
oomison221210221, sale	JUMNSUNDIVERSEI, INC.						
This International Search Report has bee according to Article 18. A copy is being tr	n prepared by this International Sea ansmitted to the International Burea	ırching Aut น.	nority and is transmitted to the applicant '				
This International Search Report consists	of a total ofsh	eets.					
X It is also accompanied by	a copy of each prior art document	cited in this	report.				
1. Pagin of the report							
Basis of the report a. With regard to the language, the language in which it was filed, un	international search was carried ou less otherwise indicated under this	t on the bastem.	sis of the international application in the				
The international this Authority (Ru		of a transl	ation of the international application furnished to				
b. With regard to any nucle	otide and/or amino acid sequenc	e disclosed	in the international application, see Box No. I.				
2. Certain claims were fou	ind unsearchable (See Box II).						
3. Unity of invention is lac	sking (see Box III).		·				
4. With regard to the title,							
	ubmitted by the applicant.						
the text has been established	shed by this Authority to read as foll	ows:					
			•				
5. With regard to the abstract,			·				
l <u> </u>	ubmitted by the applicant.						
the text has been establi	shed according to Rule 38.2(b), by	this Authori	ity as it appears in Box No. IV. The applicant				
may, within one month fr	om the date of mailing of this intern	ational sear	ch report, submit comments to this Authority.				
6. With regard to the drawings,							
a. the figure of the drawings to be	published with the abstract is Figure	No					
as suggested by							
. —	is Authority, because the applicant						
· —	is Authority, because this figure be	ter characte	erizes the invention.				
b. none of the figures is to	pe published with the abstract.						

INTERNATIONAL SEARCH REPORT

ternational Application No

PCT/US2005/002424

A. CLASSII IPC 7	C11D3/00 C11D3/20 C11D3/02	C11D11/00			
	·				
	International Patent Classification (IPC) or to both national classification	ion and IPC			
	SEARCHED currentation searched (classification system followed by classification	n symbols)			
IPC 7					
Documentat	ion searched other than minimum documentation to the extent that su	ch documents are included in the fields se	arched		
	ata base consulted during the international search (name of data bas	e and, where practical, search terms used;			
EPO-In	ternal				
	ENTS CONSIDERED TO BE RELEVANT	want nassages	Relevant to claim No.		
Category °	Citation of document, with indication, where appropriate, of the rele	vani passages			
Х	US 6 472 358 B1 (PODTBURG TERESA	C ET AL)	1-21		
	29 October 2002 (2002-10-29)				
	column 1, lines 13-25 column 2, line 47 - column 3, lin	e 16:			
	claims; examples				
X	US 6 221 823 B1 (CRISANTI MICHAEL	GFORGF	1-21		
^	ET AL) 24 April 2001 (2001-04-24)				
<u> </u>	claims; examples 1,3,11,13,19,21				
A	US 4 404 040 A (WANG YUEH)		1-21		
'	13 September 1983 (1983-09-13)	. 04			
	column 2, line 52 - column 3, lin	e 24			
A	US 6 495 506 B1 (EWBANK ERIC ET	AL)	1-21		
	17 December 2002 (2002-12-17)				
	column 11, lines 12-14 				
Further documents are listed in the continuation of box C. Patent family members are listed in annex.					
 Special categories of cited documents: T* later document published after the international filing date or priority date and not in conflict with the application but 					
consid	*A* document defining the general state of the art which is not considered to be of particular relevance considered to				
. filing o	*E* earlier document but published on or after the international filing date *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to				
which	*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another "Y* document of particular relevance; the claimed invention				
O' docum	citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or cannot be considered to involve an inventive step when the document is combined with one or more other such document is combined by the page of the document is combined by the page of the pag				
'P' docum	means ent published prior to the international filing date but	in the art. *&* document member of the same patent			
	nan the priority date claimed actual completion of the international search	Date of mailing of the international sea			
	7 May 2005	06/06/2005			
L		Authorized officer			
ivame and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2				
NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016 Miller, B					

INTERNATIONAL SEARCH REPORT

. ..ormation on patent family members

nternational Application No
PCT/US2005/002424

	- 			
Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 6472358 E	31 29-10-2002	AU	2002346392 A1	10-06-2003
00 0 17 2000		BR	0213546 A	26-10-2004
		CA	2462618 A1	30-05-2003
		EP	1444316 A1	11-08-2004
		JP	2005511635 T	28-04-2005
•		NZ	531951 A	30-07-2004
		WO	03044145 A1	30-05-2003
US 6221823 E	31 24-04-2001	GB	2306499 A	07-05-1997
00 0221020		AU	718194 B2	06-04-2000
		AU	7374196 A	15-05-1997
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		DE	69631549 D1	18-03-2004
		DE	69631549 T2	30-12-2004
		EP	0904343 A1	31-03-1999
		ES	2211989 T3	16-07-2004
		GB	2306500 A ,	
		NZ	320903 A	28-10-1999
		WO	9715649 A1	01-05-1997
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US 4404040 /	13-09-1983	AU	561736 B2	14-05-1987
		AU	8769582 A	02-02-1983
		CA	1188188 A1	04-06-1985
		NZ	201044 A	30-08-1985
		WO	8300163 A1	20-01-1983
		ZA	8204625 A	31-08-1983
US 6495506	31 17-12-2002	US	6346508 B1	12-02-2002
		AU	3680101 A	20-08-2001
		EP	1261685 A1	04-12-2002
		EP	1466961 A1	13-10-2004
		WO	0159050 A1	16-08-2001
		US	2002187914 A1	12-12-2002

PATENT COOPERATION TO ATY

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		PCT/ISA/220		INTERNATIO		ON OF THE CHING AUTHORITY 3 <i>bis</i> 1)
Re	esponse [Due: <i>Y/by</i>	28,2005	`		
7	1+2 m	rmrs		Date of mailing (day/month/year) se	e form PCT/ISA/2	210 (second sheet)
	Applicant's or agent's file reference See form PCT/ISA/220 FOR FURTHER ACTION See paragraph 2 below					
1	ational application N US2005/002424		International filing date (d 26.01.2005	day/month/year)	Priority date (c 28.01.2004	day/month/year)
	ational Patent Class 03/00, C11D3/20		both national classification C11D11/00	and IPC	I.	
Applic JOH	ant NSONDIVERSE	EY, INC.				
This opinion contains indications relating to the following items:						
	☐ Box No. IV ☑ Box No. V	Lack of unity o Reasoned stat applicability; c	of invention tement under Rule 43 <i>bis</i> itations and explanations	s.1(a)(i) with regard to s supporting such sta	novelty, invent tement	ive step or industrial
	Box No. VI Certain documents cited					
	Box No. VII		s in the international app			
			vations on the internation	іаі арріісаціон		
2.	written opinion o the applicant cho International Bur will not be so con	nternational pre f the Internation poses an Author eau under Rule nsidered.	liminary examination is real Preliminary Examining ity other than this one to 66.1 bis(b) that written o	g Authority ("IPEA"). I be the IPEA and the pinions of this Interna	However, this d chosen IPEA h ational Searchir	oes not apply where has notifed the has notifed the has Authority
	submit to the IPF	EA a written reploate of mailing	ove, considered to be a v ly together, where appro of Form PCT/ISA/220 or	priate, with amendme	ents, before the	expiration of three
For further options, see Form PCT/ISA/220.						
3.	For further detail	s, see notes to	Form PCT/ISA/220.			
Name	and mailing addre	ss of the ISA:		Authorized Officer		-aches Patanza
	D-80298 N Tel. +49 8	Patent Office Munich 9 2399 - 0 Tx: 523 9 2399 - 4465	3656 epmu d	Miller, B Telephone No. +49 8	39 2399-8540	ENTERED O

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2005/002424

_	Box N	o. I Basis of the opinion				
1.	With re	egard to the language , this opinion has been established on the basis of the international application in guage in which it was filed, unless otherwise indicated under this item.				
	laı	nis opinion has been established on the basis of a translation from the original language into the following inguage , which is the language of a translation furnished for the purposes of international search inder Rules 12.3 and 23.1(b)).				
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:					
	a. type of material:					
		a sequence listing				
		table(s) related to the sequence listing				
	b. format of material:					
		in written format				
		in computer readable form				
	c. time	of filing/furnishing:				
		contained in the international application as filed.				
		filed together with the international application in computer readable form.				
		furnished subsequently to this Authority for the purposes of search.				
3.	ha cc	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto as been filed or furnished, the required statements that the information in the subsequent or additional upies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.				

4. Additional comments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US2005/002424

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)

Yes: Claims

1-21

No: Claims

Inventive step (IS)

Yes: Claims

No: Claims

1-21

Industrial applicability (IA)

Yes: Claims

1-21

No: Claims

2. Citations and explanations

see separate sheet

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

10/589384

IAP11 Rec'd PCT/PTO 15 AUG 2006

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/US2005/002424

Re Item V

Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Documents cited

The following documents (D) are referred to in this communication; the numbering will be adhered to in the rest of the procedure:

D1: US-B-6 472 358 D2: US-B-6 221 823 D3: US-B-4 404 040 D4: US-B-6 495 506

- 2. Novelty (Article 33(2) PCT) and Inventive Step (Article 33(3) PCT)
- 2.1. The general **problem to be solved** by the present application can be seen as providing an antimicrobial composition which can be used in a cleaning in place process (page 5, first and second paragraph of the present application).
- 2.2. Document D1 deals in principle with the same general probelm (col. 1, lines 13-25, col. 2, line 67 -col. 3, line2) and is thus considered as the **closest prior art**.

D1 discloses a cleaning composition comprising 3-12 wt.-% of a C_{5-12} fatty acid, 5-50 wt.-% of a weak C_{1-4} carboxylic acid and 5-50 wt.-% of nitric acid (claim 1) wherein the weak acid can be selected from acetic acid, hydroxyacetic acid, hydroxypropionic acid, fumaric acid, tartaric acid, succinic acid, malic acid, etc. (claim 2).

The compositions further comprise a hydrotrope (claim 25, examples). Due to the strongly acidic compounds used, the pH has to be below 5.

Thus, the subject-matter of **claim 1 differs** from these known compositions in that in addition to the strong acid and the fatty acid two further weak carboxylic acids are selected from the list given in D1 (claim 2), namley a hydroxyalkyl carboxylic acid and a dicarboxylic acid.

The objective technic problem underlying present claim 1 when starting from D1 can therefore be formulated as providing an alternative sanitizing composition.

D1 indicates already in column 2, lines 47-50 and in col. 3, lines 10-16 that shorther chain weak carboxylic acids (such as tartaric acid, malic acid and hydroxyacetic acid, citric acid etc. see col. 5, lines 1-5) can be used as a solvent for the long chain fatty acid, which is normally not soluble in water at very diluted concentrations. Moreover, D1 already points out, that a strong mineral acids needs to be present in order to achieve a dilutable effective composition (col. 3, lines 5-14).

Thus, D1 offers already a clear indication to use a disinfecting compsition comprising a fatty acid, a strong mineral acid and shorter chain carboxylic acids in order to achieve a dilutable sanitizing composition.

Since it is within the customary practice of the skilled person to replace a solvent completely or partly by an equivalent solvent, using (selecting) hydroxyalkyl carboxylic acid and a dicarboxylic acid (both already explicitly proposed by D1) has to be regarded as an arbitrary modification (selection) of the skilled person which cannot be regarded as inventive, contrary to Article 33 (3) PCT.

The examples of the present application do not contribute to establish the presence of an inventive step for the following reasons:

The compositions of the examples differ to such an extent from each other that a clear comparison does not seem to be possible. The amounts of hydrotrope, inorganic acid and of the antimicrobial system differ to such an extent that the differences in the microbiological tests and the foaming/stability tests cannot be brought into any relationship with the presence of a specific ingredient in a specific amount.

Therefore, it seems to be necessary to submit new comparative examples in order to establish the presence of an inventive step.

Moreover, in the examples only one specific combintation of carboxylic acids is shown. It does not seem to be credible, that any combination of carboxylic acids (e.g. 0.01 wt.% of hydroxyacetic acid in combination with 0.01 maleic acid and 10 wt.% stearic acid) in any amount/ratio achieves better or equal results, since the solubilizing power of the short chain acids does not seem to be high enough in order to solubilize much higher amounts of fatty acid.

2.3. A similar line of argumentation can also be developped from document D2.

Document D2 discloses germicidal (saniitizing) acidic hard surface cleaning compositions (examples 1,3,11,13,19 and 21) comprising tartaric acid, citric acid and a further organic acid to achive an acidic pH which is between 1 and 5 (claim 5).

Thus, the subject-matter of present claim 1 **differs** from the compositions indicated by D2 only by the presence of a fatty acid.

Starting from D2 the objective technical probelm can thus be formulated to provide a composition having an improved disinfection efficiency.

Since it it well known in the art, that fatty acids achieve a very good disinfecting action (see e.g. D3, col. 2, line 52-col. 3, line 24), it is obvious to the skilled person to add a fatty acid to the compositions exemplified in D2 in order to solve the underlying technical problem.

Thus, the subject-matter of present claim 1 lacks an inventive step in view of D2 when combined with D3, contrary to Article 33(3) PCT.

2.4. Since present claim 19 has in principle the same scope as claim 1, the argumentation provided above for the subject-matter of present claim 1 is also valid for the subject-matter of present 19. Thereby the attention of the applicant is drawn to the fact, that fatty acids are also well known to act as a foam suppressor (see D4, col. 11, lines 12-14).

Re Item VIII

Certain observations on the international application

The following observations on the clarity of the claims and description or on the question whether the claims are fully supported by the description are made:

- Claims 1 and 19 lack clarity (Article 6 PCT), since a C₁ hydroxyalkylcarboxylic acid does not seem to exist.
- 2. When filing amended claims the applicant should at the same time bring the description into conformity with the amended claims. Care should be taken during revision, especially of the introductory portion and any statements of problem or advantage, not

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (SEPARATE SHEET)

International application No.

PCT/US2005/002424

to add subject-matter which extends beyond the content of the application as originally filed (Article 34(2)(b) PCT).

The applicant should clearly **identify the amendments carried out**, irrespective of whether they concern amendments by addition, replacement or deletion, and to **indicate** accurately the passages of the application as filed on which these amendments are based (Rule 66.8 (a) PCT).

The amendments are preferred to be carried out in handwritten form on a copy of the relevant parts of the application as filed (Rule 66.8 (b) PCT) accompanied by a clean copy of the corresponding pages (Guidelines PCT/GL/ISPE/1, Chapter 20.6-20.8).

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